

UTILITY PATENT APPLICATION
INVENTORS: HODSDON & GRENIER
EXPRESS MAIL: ET791107119US

WHAT IS CLAIMED IS:

1. A method of bracing a wall fabricated from masonry blocks above a wall foundation by at least one first right angle bracing set having rigidly connected vertical, horizontal and diagonal brace members, with said vertical member being vertically plumb when said first right angle brace member is upright against said wall, said method comprising the steps of:

assuring that the block wall includes at least one connector opening through the block wall being fabricated;

placing said connector opening near the base of the wall;

affixing, to the right angle portion of said first right angle bracing set, a connecting means which passes through said connector opening;

initially letting at least said first right angle brace lie on the ground, but capable of manually rotation around said connecting means to a vertical position;

manually rotating said first right angle brace into said upright position; and

holding, free from further manual support, said first brace set in said upright position with said first set's vertical brace member flush against the wall.

2. The method in accordance with claim 1 and comprising the additional step of:

adjustably anchoring said connecting means against a supporting surface located on the other side of said wall.

3. The method in accordance with claim 2 for bracing both sides of said wall and wherein said supporting surface on the other side of the wall further comprises:

a second right angle support set also having vertical, horizontal and diagonal brace members, with said vertical member of said second set also being vertically plumb when both said first and second right angle brace sets are both upright against said wall

4. The method of claim 3 wherein said connecting means is a threaded shaft and said method comprises the further steps of:

placing manual tightening means on said threaded shaft with said manual tightening means being adjustable at least on one side of said wall; and

manually tightening said tightening means when both said first and second brace sets are upright and aligned opposite each other in back to back position against said wall.

5. The method of claim 2 wherein said holding step further comprises:

temporarily tying, by a tie wire inserted in said wall at about eye level or above, said vertical member of said first set to said wall prior to said connector being finally tightened.

6. The method in accordance with claim 3 wherein said holding step further comprises:

temporarily tying, by a tie wire inserted in said wall at about eye level or above, said vertical member of said second set to said wall prior to said connector being finally tightened.

7. The method of claim 1 comprising, free from the use of deadmen or the like anchored in the ground near the wall, the further step of:

manually leveling, said horizontal member by a screwjack resting on a plate sitting on the surface of the ground, which screwjack is located at the outermost end of said horizontal member.

8. The method of claim 3 comprising the further steps of:

initially letting said second assembled right angle brace set rest on the ground, but capable of manually rotation around said connecting means to a vertical position;

manually rotating said second right angle brace into said upright position; and

holding same in that upright position free from further manual support.

9. The method of claim 1 comprising the further step of:

embedding in said wall, with a length sufficient to wrap around said vertical member, a length of tie wire; and

temporarily tying, said vertical member of said first set to said wall prior to said connector being finally tightened.

10. Apparatus for bracing a wall being fabricated from masonry blocks above a wall foundation with said wall or foundation having at least one connector opening through the block wall being fabricated, said apparatus comprising:

at least one brace supporting structure having stiff vertical, horizontal and diagonal members with said vertical member connected at a right angle to said horizontal member and placed adjacent one surface of the masonry wall being fabricated;

connector means affixed at said right angle of said brace structure with said connector means having a length sufficient to extend through said opening;

means associated with said connector for connecting the right angle section of said brace to a supporting surface on the opposite side of said connector opening in said wall; and

manually operable means for both tightening said connector and leveling said horizontal member until said vertical brace member is flush against said wall surface.

11. Apparatus for bracing a wall in accordance with claim 10 and further comprising:

means for adjustably anchoring said connecting means against a supporting surface located on the other side of said wall.

12. Apparatus for bracing a wall in accordance with claim 10 and further comprising means for bracing both sides of said wall and further wherein:

said supporting surface on the other side of the wall is a second right angle support set identical to said first set, and said first and second sets further characterized in that:

said set are in back to back positions on opposite sides of said wall.

13. Apparatus for bracing a wall in accordance with claim 10 wherein said second assembled right angle brace set initially rests on the ground and capable of manual rotation around said connecting means to a vertical position, and further comprising:

means for manually holding said second set in an upright position against said wall free from any further manual support.

14. The apparatus of claim 13 wherein said connecting means is a threaded shaft and further comprises:

manual tightening means on said threaded shaft with said manual tightening means being adjustable at least on one side of said wall.

15. The apparatus of claim 14 and further comprising:

means for temporarily tying, said vertical member of said first set to said wall prior to said connector being finally tightened.

16. The apparatus of claim 15 wherein said tying further comprises:

a length of tie wire embedded in said wall and selected with a length sufficient to wrap around said vertical member.

17. The apparatus of claim 15 and further comprising:

a screwjack resting on a plate sitting on the surface of the ground, which screwjack is located at the outermost end of said horizontal member for manually leveling said horizontal member.

18. Apparatus for bracing a wall, said apparatus comprising:

a right angle brace supporting structure having a stiff vertical member placed adjacent one surface of a masonry wall being fabricated;

means affixing said right angle brace structure to said wall; and

manually operable means for leveling said brace until said vertical member is flush against said wall surface for support thereof.

19. The apparatus of claim 18 wherein said brace has a horizontal member and further comprising:

means for leveling the right angle brace such that said horizontal member thereof is level and said vertical member thereof supports said wall.

20. The apparatus of claim 18 wherein said brace has a support plate and further comprising:

means for mounting said support plate at the upper end of said vertical member; and

a top cap covering the open end of said vertical support member.